

TOP OF PIER ELEVATIONS ARE $\frac{y_4}{4}$ BELOW BOTTOM OF HAUNCH TO ALLOW FOR $\frac{y_4}{4}$ FILLER. — #5 BARS @ 1'-0" CTRS. MIN. DESIGN BARS VARIES 3" (TYP.) PERPENDICULAR 6" TO 10" CONST. JOINT KEYWAY FORMED BY TO & PIER PIER CAP OR WALL BEVELED 2" X 6" - PIER DOWELS. MINIMUM OF *5 BARS AT 1'-O" CTRS. X 2'-O" LONG, MAY BE PLACED AFTER CONCRETE HAS BEEN POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE.

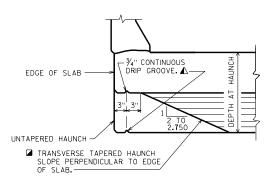
NAIL TO COL. WITH ∟¾" FILLER € OF PIER BEVELED KEYWAY. _#8 BARS, 3'-O" LONG, EMBED 1'-6". MAY BE PLACED AFTER CONCRETE HAS BEEN POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE.

PIER CAP OR WALL TYPE PIER

SHOWING TRANSVERSE TAPERED HAUNCH

COLUMN W/O CAP TYPE PIER DETAIL AT TOP OF COLUMN

FOR AN UNTAPERED HAUNCH, EDGE OF SLAB IS ALONG THIS LINE. COLUMN — EDGE OF SLAB WITH TRANSVERSE TAPERED HAUNCH PLAN OF PIER



TAPERED/UNTAPERED HAUNCH **CROSS SECTION**

TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-0" CENTERS EACH WAY. BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY 4'-0" CENTERS.

ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO

PARAPETS SHOWN ABOVE THE HORIZONTAL CONSTRUCTION JOINT SHALL BE POSSEDUCTED FALSEWORK HAS BEEN RELEASED EXCEPT FOR STAGE CONSTRUCTION.

CAMBER SPANS AS SHOWN TO PROVIDE FOR DEAD LOAD DEFLECTION & FUTURE CREEP. CAMBER DOES NOT INCLUDE ALLOWANCE FOR FORM SETTLEMENT.

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DESIGNER NOTES

THE MAXIMUM ALLOWABLE SKEW ANGLE OF STRUCTURE SHALL BE 30°.

ALL BAR SPLICES TO BE BASED ON "CLASS C" TENSION LAP SPLICE.

USE OPTIONAL LONGITUDINAL JOINTS WHEN ROADWAY WIDTH IS OVER 52'-0". SEE STANDARD 18.2 FOR DETAIL.

FOR BRIDGES LOCATED IN REMOTE AREAS USE OPTIONAL TRANSVERSE JOINT WHEN POUR EXCEEDS 400 C.Y. PLACE KEYED JOINT NEAR POINT OF DEAD LOAD INFLECTION.

ALL TRANSVERSE BAR STEEL REINFORCEMENT SHALL BE PLACED ON THE SKEW.

FLOOR DRAINS ARE TO BE OMITTED FROM THESE UNITS WHERE POSSIBLE. IF FLOOR DRAINS ARE REO'D., PLACE ONLY AT THE 2/10 & 8/10 PTS. BEND MAIN REBARS PAST DRAINS - DO NOT CUT.

☑ TRANSVERSE TAPERED HAUNCHES MAY BE USED TO ELIMINATE A COLUMN (PROVIDED A MINIMUM OF 3 COL'S. ARE USED), OR FOR AESTHETICS.

PIER CAP OR WALL TYPE PIERS SHALL BE USED ON MOST STRUCTURES. COLUMN W/O CAP TYPE PIERS MAY BE USED WITH THE APPROVAL OF THE STRUCTURES DESIGN SECTION.

CONTINUOUS HAUNCHED SLAB

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DEVELOPMENT SECTION

7/99

STANDARD 18.1